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Technology Center 2600 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Miller et al.

Group Art Unit: 2742

Serial No.: 09/537,835

Examiner: Not Assigned

Filed: March 29, 2000

Docket No.: 1322/2

For: METHODS AND SYSTEMS FOR PROVIDING DATABASE NODE ACCESS
CONTROL FUNCTIONALITY IN A COMMUNICATIONS NETWORK

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. 1.56, 1.97, and 1.98, applicants' undersigned attorney brings to the attention of the Patent and Trademark Office the following references. Copies of the references as well as Forms PTO/SB/08A and PTO/SB/08B are attached hereto. This is not to be construed as a representation that a search has been made or that a reference is relevant merely because cited.

*U.S. Patent No. 6,195,425 to Farris discloses telecommunications system with wide area internetwork control.

U.S. Patent No. 6,157,710 to Figurski et al. discloses a method and system for distributing messages from a signal transfer point to a plurality of service control points.

*U.S. Patent No. 6,154,467 to Hager et al. discloses high speed SS7 signaling adaptation device.

*U.S. Patent No. 6,151,390 to Voltsun et al. discloses protocol conversion using channel associated signaling.

*U.S. Patent No. 6,144,670 to Sponaugle et al. discloses a method and apparatus for establishing and facilitating a voice call connection from a client computer to a PSTN extension.

*U.S. Patent No. 6,144,667 to Doshi et al. discloses a network-based method and apparatus for initiating and completing a telephone call via the internet.

*U.S. Patent No. 6,134,235 to Goldman et al. discloses a plain old telephone service (POTS)/packet bridge.

U.S. Patent No. 6,122,365 to Yegoshin discloses a method and apparatus for load-balancing of call processing between multiple call-destination sites and routing of calls by way of call-destination site control.

*U.S. Patent No. 6,122,255 to Bartholomew et al. discloses an internet telephone service with mediation.

*U.S. Patent No. 6,115,383 to Bell et al. discloses a system and method of message distribution in a telecommunications network.

U.S. Patent No. 6,112,090 to Valentine discloses a system and method for forwarding calling party information.

*U.S. Patent No. 6,097,805 to Figurski et al. discloses a method and system for distributing messages from a signal transfer point to a plurality of service control points.

*U.S. Patent No. 6,097,719 to Benash et al. discloses a public IP transport network.

*U.S. Patent No. 6,094,437 to Loehndorf, Jr. et al. discloses layer two tunneling protocol (L2TP) merging and management.

*U.S. Patent No. 6,084,956 to Turner et al. discloses SS7 mediation for data network call setup and services interworking.

*U.S. Patent No. 6,084,892 to Benash et al. discloses a public IP transport network.

*U.S. Patent No. 6,078,582 to Curry et al. discloses an internet long distance telephone service.

*U.S. Patent No. 6,069,890 to White et al. discloses an internet telephone service.

U.S. Patent No. 6,067,546 to Lund discloses a method and system for providing computer-network related information about a calling party.

*U.S. Patent No. 6,064,653 to Farris discloses an internetwork gateway to gateway alternative communication.

U.S. Patent No. 6,055,302 to Schmersel et al. discloses a system and method for incoming and outgoing interrogations for store-and-forward services.

*U.S. Patent No. 6,023,502 to Bouanaka et al. discloses a method and apparatus for providing telephone billing and authentication over a computer network.

*U.S. Patent No. 6,021,126 to White et al. discloses telecommunication number portability.

U.S. Patent No. 6,018,515 to Sorber discloses message buffering for prioritized message transmission and congestion management.

*U.S. Patent No. 6,014,379 to White et al. discloses telecommunications custom calling services.

*U.S. Patent No. 6,011,803 to Bicknell et al. discloses a distributed-protocol server.

U.S. Patent No. 6,006,098 to Rathnasabapathy et al. discloses a system and method for application location register routing a telecommunications network.

*U.S. Patent No. 5,974,052 to Johnson et al. discloses a frame relay access device and method for transporting SS7 information between signaling points.

*U.S. Patent No. 5,958,016 to Chang et al. discloses an internet-web link for access to intelligent network service control.

*U.S. Patent No. 5,923,659 to Curry et al. discloses a telecommunications network.

U.S. Patent No. 5,920,562 to Christie et al discloses systems and methods for providing enhanced services for telecommunication call.

*U.S. Patent No. 5,917,900 to Allison et al. discloses a remote data gateway.

*U.S. Patent No. 5,912,887 to Sehgal discloses a system and method for implementing user-to-user data transfer services.

*U.S. Patent No. 5,892,822 to Gottlieb et al. discloses a method of and system for call routing compliant with international regulatory routing requirements.

*U.S. Patent No. 5,878,129 to Figurski et al. discloses a method and system for

distributing messages from a signal transfer point to a plurality of service control points.

*U.S. Patent No. 5,872,782 to Dendi discloses an encapsulation of proprietary protocol information conforming to the ITU-T recommendation Q.763 ISUP standard.

*U.S. Patent No. 5,870,565 to Glitho discloses a telecommunications management network connected to a common channel signaling network.

*U.S. Patent No. 5,867,495 to Elliot et al. discloses a system, method and article of manufacture for communications utilizing calling, plans in a hybrid network.

*U.S. Patent No. 5,852,660 to Lindquist et al. discloses a network protocol conversion module within a telecommunications system.

*U.S. Patent No. 5,838,782 to Lindquist discloses a system for converting a routing address within a telecommunications network.

*U.S. Patent No. 5,828,844 to Civanlar et al. discloses an internet NCP over ATM.

*U.S. Patent No. 5,815,669 to Lee et al. discloses a method of routing a data transmission.

*U.S. Patent No. 5,812,781 to Fahlman et al. discloses a system for routing incoming connection-less messages to processes which are already handling messages from same source node.

*U.S. Patent No. 5,809,028 to Nethercott et al. discloses a protocol converter for a wireless telecommunications system.

*U.S. Patent No. 5,805,587 to Norris et al. discloses a call notification feature for a telephone line connected to the internet.

*U.S. Patent No. 5,802,285 to Hirviniemi discloses a Wide area network (WAN) interface for a transmission control protocol/internet protocol (TCP/IP) in a local area network (LAN).

*U.S. Patent No. 5,793,771 to Darland et al. discloses a communication gateway.

*U.S. Patent No. 5,787,255 to Parlan et al. discloses an internetworking device with enhanced protocol translation circuit.

*U.S. Patent No. 5,781,534 to Perlman et al. discloses a method and apparatus for determining characteristics of a path.

*U.S. Patent No. 5,774,695 to Autrey et al. discloses a protocol interface gateway and method of connecting an emulator to a network.

*U.S. Patent No. 5,768,525 to Kralowetz et al. discloses a transparent support of protocol and data compression features for data communication.

*U.S. Patent No. 5,768,361 to Cowgill discloses a flexible enhanced signaling subsystem for a telecommunications switch.

*U.S. Patent No. 5,764,955 to Doolan discloses a gateway for using legacy telecommunications network element equipment with a common management information protocol.

*U.S. Patent No. 5,764,750 to Chau et al. discloses communicating between diverse communications environments.

U.S. Patent No. 5,761,500 to Gallant et al. discloses multi-site data communications network database partitioned by network elements.

*U.S. Patent No. 5,761,281 to Baum et al. discloses telephone call routing and switching techniques for data communications

*U.S. Patent No. 5,740,374 to Raffali-Schreinemachers discloses a system for transferring messages via different sub-networks by converting control codes into reference code compatible with a reference protocol and encapsulation the code with the message.

*U.S. Patent No. 5,712,903 to Bartholomew et al. discloses a split intelligent peripheral for broadband and narrowband services.

*U.S. Patent No. 5,706,286 to Reiman et al. discloses an SS7 gateway.

*U.S. Patent No. 5,696,809 to Voit discloses an advanced intelligent network based computer architecture for concurrent delivery of voice and text data using failure management system.

*U.S. Patent No. 5,680,552 to Netravali et al. discloses a gateway system for interconnecting different data communication networks.

U.S. Patent No. 5,675,635 to Vos et al. discloses a system and method for conducting poll at a processor associated with the originating switch.

*U.S. Patent No. 5,664,102 to Faynberg discloses an intelligent network

internetworking access arrangement.

*U.S. Patent No. 5,657,452 to Kralowetz et al. discloses transparent support of protocol and data compression features for data communication.

*U.S. Patent No. 5,651,002 to Van Seters et al. discloses an internetworking device with enhanced packet header translation and memory.

*U.S. Patent No. 5,640,446 to Everett et al. discloses a system and method of validating special service calls having different signaling protocols.

*U.S. Patent No. 5,638,431 to Everett et al. discloses a calling card validation system and method therefor.

*U.S. Patent No. 5,586,177 to Farris et al. discloses an intelligent signal transfer point (ISTP).

*U.S. Patent No. 5,583,927 to Ely et al. discloses a method and apparatus for integrating telephone and broadband networks.

*U.S. Patent No. 5,581,558 to Horney, II, et al. discloses an apparatus for bridging non-compatible network architectures.

*U.S. Patent No. 5,568,487 to Sitbon et al. discloses a process for automatic conversion for porting telecommunications applications from the TCP/IP network to the OSI-CO network, and module used in this process.

*U.S. Patent No. 5,509,010 to La Porta et al. discloses communications signaling protocols.

*U.S. Patent No. 5,430,727 to Callon discloses multiple protocol routing.

*U.S. Patent No. 5,420,916 to Sekiguchi discloses a signaling network having common signaling node for protocol conversion.

*U.S. Patent No. 5,384,840 to Blatchford et al. discloses a telecommunications system SS7 signaling interface with signal transfer capability.

*U.S. Patent No. 5,315,641 to Montgomery et al. discloses public switched telephone network access to public data network.

*U.S. Patent No. 5,239,542 to Breidenstein et al. discloses a time division multiplex switching system for interconnecting telephone circuits which operate in accordance with different signaling systems and call formats.

*U.S. Patent No. 5, 208,811 to Kashio et al. discloses an interconnection system and method for heterogeneous networks.

*U.S. Patent No. 5,142,622 to Owens discloses a system for interconnecting applications across different networks of data processing systems by mapping protocols across different network domains.

*Publication by O'Shea entitled "Mating Season", Telephony, pp. 10-11 (September 20, 1999).

*Publication by Tekelec entitled "Eagle® Feature Guide," Publication PN/9110-1225-01, Rev. B (January, 1998).

*Publication by O'Shea entitled "The Network that's Never Done", Telephony, pp. 38-43 (September 15, 1997).

*Publication by Tekelec entitled "Eagle® STP Platform," Publication 908-0126-01, Rev. A (1997).

*Publication by Tekelec entitled "Eagle® STP LAN Interface Feature," Publication 908-0134-01, Rev. B (1997).

*Publication by Tekelec entitled "Eagle® STP Database Transport Access Feature," Publication 908-0136-01, Rev. B (1997).

*Publication by Tekelec entitled "Eagle® STP X.25 to SS7-IS.41 Protocol Conversion Feature," Publication 908-0135-01, Rev. B (1997).

*Publication by Tekelec entitled "Eagle® STP ANSI-ITU Gateway Feature," Publication 908-0133-01, Rev. B (1997).

*Publication by Tekelec entitled "SS7-Frame Relay Access Device SS7 Protocol Information Translator," Publication 908-0167-01, Rev. A (1997).

*Publication by Snyder entitled "Rerouting Internet Traffic Jams", Telephony, p. 12 (November 11, 1996).

*Publication by Snyder entitled "Branded with Optics", Telephony, pp. 49-50 (July 22, 1996).

*Publication by Anonymous entitled "Around the Loop", Telephony, p. 26 (July 22, 1996).

*In accordance with 37 C.F.R. § 1.98(d), a copy of this publication is not included in this Information Disclosure Statement because a copy was provided in information disclosure statements submitted in parent U.S. Patent Application No. 09/205,809, filed December 4, 1998.

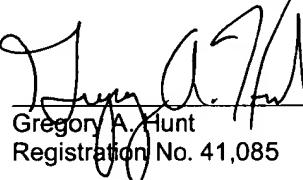
Early passage of the subject application to issue is earnestly solicited. Although it is believed that no fee is due, the Commissioner is hereby authorized to charge any deficiencies of payment associated with the filing of this Information Disclosure Statement to Deposit Account No. **50-0426**.

Respectfully submitted,

JENKINS & WILSON, P.A.

Date: 3/23/01

By:



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Enclosures

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

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of 1

Complete if Known

Application Number 09/537,235

Filing Date 03/29/2000

First Named Inventor Paul Andrew Miller

Group Art Unit 2742

Examiner Name _____ Not _____

Attorney Docket Number 1322/2

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(use as many sheets as necessary)</small>		Application Number	09/537,235
		Filing Date	03/29/2000
		First Named Inventor	Miller et al.
		Group Art Unit	2742
		Examiner Name	Not Assigned
Sheet	1	Attorney Docket Number	1322/2
		Technology Center 2600	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	09/537,235
		Filing Date	03/29/2000
		First Named Inventor	Paul Andrew Miller
		Group Art Unit	2742
		Examiner Name	Not Assigned
		Attorney Docket Number	1322/2
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Application Number 09/537,235

Filing Date 03/29/2000

First Named Inventor Paul Andrew Miller

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Examiner Name _____

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Substitute for form 1449A/PTO		MAR 26 2001 U.S. PATENT AND TRADEMARK OFFICE	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			
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<i>Complete if Known</i>			
Application Number		09/537,235	
Filing Date		03/29/2000	
First Named Inventor		Paul Andrew Miller	
Group Art Unit		2742	
Examiner Name		Not Assigned	
Sheet	1	of	1
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		1322/2	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	09/537,235
				Filing Date	03/29/2000
				First Named Inventor	Paul Andrew Miller
				Group Art Unit	2742
				Examiner Name	Not Assigned
Sheet	1	of	1	Attorney Docket Number	1322/2
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		Filing Date	03/29/2000
		First Named Inventor	Paul Andrew Miller
		Group Art Unit	2742
		Examiner Name	Not Assigned
		Attorney Docket Number	1322/2
Sheet	1	of	2
			

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U.S. PATENT DOCUMENTS

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Examiner Initials ¹	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
TT	A	5,142,622		Owens	08/25/1992	
TT	B	5,208,811		Kashio et al.	05/04/1993	
TT	C	5,239,542		Breidenstein et al.	08/24/1993	
TT	D	5,384,840		Blatchford et al.	01/24/1995	
TT	E	5,420,916		Sekiguchi	05/30/1995	
TT	F	5,509,010		La Porta et al.	04/16/1996	
TT	G	5,568,487		Sitbon et al.	10/22/1996	
TT	H	5,581,558		Horney, II et al.	12/03/1996	
TT	I	5,583,927		Ely et al.	12/10/1996	
TT	J	5,586,177		Farris et al.	12/17/1996	
TT	K	5,638,431		Everett et al.	06/10/1997	
TT	L	5,640,446		Everett et al.	06/17/1997	
TT	M	5,651,002		Van Seters et al.	07/22/1997	
TT	N	5,664,102		Faynberg	09/02/1997	
TT	O	5,680,552		Netravali et al.	10/21/1997	
TT	P	5,696,809		Voit	12/09/1997	
TT	Q	5,706,286		Reiman et al.	01/06/1998	
TT	R	5,712,903		Bartholomew et al.	01/27/1998	
TT	S	5,740,374		Raffali-Schreinemachers	04/14/1998	
TT	T	5,764,955		Doolan	06/09/1998	

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PTO/SB/08A (10-96)

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Washington, D.C. 20591-0000

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Sheet

of 2

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Application Number 09/537,235

Filing Date 03/29/2000

First Named Inventor Paul Andrew Miller

Group Art Unit 2742

Examiner Name

Examiner Name Not Assigned

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number 09/537,235 Filing Date 03/29/2000 First Named Inventor Paul Andrew Miller Group Art Unit 2742 Examiner Name Not Assigned	
Sheet	1	of	1	Attorney Docket Number	1322/2
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<p>Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i></p>		<p>Complete if Known</p>	
		Application Number	09/537,235
<p style="text-align: center;"><i>Patent and Trademark Office</i></p>		Filing Date	03/29/2000
		First Named Inventor	Paul Andrew Miller
		Group Art Unit	2742
		Examiner Name	Not Assigned
		Attorney Docket Number	1322/2
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	09/537,835
		Filing Date	03/29/2000
		First Named Inventor	Paul Andrew Miller
		Group Art Unit	2742
		Examiner Name	Not Assigned
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		Filing Date	03/29/2000
		First Named Inventor	Paul Andrew Miller
		Group Art Unit	2742
		Examiner Name	Not Assigned
		Attorney Docket Number	1322/2
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<p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>					
Application Number	09/537,835				
Filing Date	03/29/2000				
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Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
TT	A	5,315,641		Montgomery et al.	05/24/1994	
TT	B	5,430,727		Callon	07/04/1995	
TT	C	5,657,452		Kralowetz et al.	08/12/1997	
TT	D	5,680,552		Netravali et al.	10/21/1997	
TT	E	5,761,281		Baum et al.	06/02/1998	
TT	F	5,764,750		Chau et al.	06/09/1998	
TT	G	5,768,525		Kralowetz et al.	06/16/1998	
TT	H	5,781,534		Perlman et al.	07/14/1998	
TT	I	5,802,285		Hirviniemi	09/01/1998	
TT	J	5,805,587		Norris et al.	09/08/1998	
TT	K	5,809,028		Nethercott et al.	09/15/1998	
TT	L	5,812,781		Fahlman et al.	09/22/1998	
TT	M	5,815,669		Lee et al.	09/29/1998	
TT	N	5,828,844		Civanlar et al.	10/27/1998	
TT	O	5,838,782		Lindquist	11/17/1998	
TT	P	5,852,660		Lindquist et al.	12/22/1998	
TT	Q	5,867,495		Elliot et al.	02/02/1999	
TT	R	5,870,565		Glitho	02/09/1999	
TT	S	5,872,782		Dendi	02/16/1999	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	09/537,835
				Filing Date	03/29/2000
				First Named Inventor	Paul Andrew Miller
				Group Art Unit	2742
				Examiner Name	Not Assigned
				Attorney Docket Number	1322/2
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AA	"Eagle® Feature Guide," Publication PN/9110-1225-01, Rev. B, Tekelec (January, 1998)	
	BB	"Eagle® STP Platform," Publication 908-0126-01, Rev. A, Tekelec (1997)	
	CC	"Eagle® STP LAN Interface Feature," Publication 908-0134-01, Rev. B, Tekelec (1997)	
	DD	"Eagle® STP Database Transport Access Feature," Publication 908-0136-01, Rev. B, Tekelec (1997)	
	EE	"Eagle® STP X.25 to SS7-IS.41 Protocol Conversion Feature," Publication 908-0135-01, Rev. B, Tekelec (1997)	
	FF	"Eagle® STP ANSI-ITU Gateway Feature," Publication 908-0133-01, Rev. B, Tekelec (1997)	
	GG	"SS7-Frame Relay Access Device SS7 Protocol Information Translator," Publication 908-0167-01, Rev. A, Tekelec (1997)	
		<i>No copies received</i>	

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		Filing Date	03/29/2000		
		First Named Inventor	Paul Andrew Miller		RECEI
		Group Art Unit	2742		
		Examiner Name	Not Assigned		APR X 2
		Attorney Docket Number	1322/2		
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March 23, 2001

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03/23/01

Karen Flynn
Karen S. Flynn
Date of Signature

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Commissioner for Patents
Washington, D.C. 20231

Re: U.S. Patent Application Serial No. 09/537,835 for
METHODS AND SYSTEMS FOR PROVIDING DATABASE NODE ACCESS
CONTROL FUNCTIONALITY IN A COMMUNICATIONS NETWORK
Our File No. 1322/2

Sir:

Please find enclosed in connection with the subject U.S. patent application the following documents:

1. Information Disclosure Statement (8 pages);
2. Forms PTO/SB/08A (13 pages), in duplicate;
3. Forms PTO/SB/08B (2 pages), in duplicate;
4. Copies of cited references (10 references);
5. A return-receipt postcard to be returned to us with the U.S. Patent and Trademark Office filing stamp thereon.

Respectfully submitted,

JENKINS & WILSON, P.A.

Gregory A. Hunt
Gregory A. Hunt
Registration No. 41,085

GAH/ksf
Enclosures